CSB - CSRTI, MYSURU

MINUTES OF 52nd MEETING OF RESEARCH ADVISORY COMMITTEE HELD ON 3rd & 4th OCTOBER 2024 AT CSRTI, MYSURU

The 52nd meeting of Research Advisory Committee of CSRTI-Mysuru was held on 3rd and 4th October 2024 at CSRTI, Mysuru to review the progress of on-going projects, concluded projects, new projects, pilot study, TOT, Training and extension activities of the institute and its nested units for the period from April to September 2024. The meeting was chaired by Prof. Mahadev B. Chetti, Chairman RAC, Vice Chancellor of Sanskriti University, Mathura, Uttar Pradesh and former ViceChancellor, University of Agricultural Sciences (UASD), Dharwad with the reconstituted committee members. The list of the participants is appended as **Annexure - I**.

Dr. S. Gandhi Doss, Director, CSRTI, Mysuru, welcomed the Chairman and members of the RAC. He welcomed all the Heads of Divisions / Sections, Scientists and JRFs, SRFs, PAs of the main institute and all scientists from RSRSs, RECs, SSBS, Coonoor and P4, Hassan for the meeting.

The Chairman in his introductory remarks welcomed once again all the members, the scientists of CSRTI, Mysuru to the meeting. He congratulated the team of Central Silk Board and CSRTI, Mysuru for successful conduct of Platinum Jubilee celebrations on 20.09.2024 at KSOU campus, Mysuru. He complimented all the predecessors of CSB who worked hard for the development of sericulture in India during the past 75 years. He also congratulated the Director and his team for the receipt of Best Institute Award and the scientists received the best scientist in the category of R &D and Extension.

1. R&D HIGHLIGHTS OF INSTITUTE AND NESTED UNITS DURING REPORTING PERIOD (APRIL to SEPTEMBER 2024).

Dr. S. Gandhi Doss, Director made a brief presentation of the R&D highlights of the institute and nested units during the reporting period (April to September 2024). The Chairman and the committee expressed satisfaction over the progress and the Chairman appreciated Director, CSRTI, Mysuru and all the scientists for successful completion of Platinum Jubilee Celebration.

2. CONFIRMATION OF THE MINUTES OF 51st RAC MEETING HELD ON 22nd & 23rd MARCH 2024.

The Research Advisory Committee approved the minutes of the 51st RAC meeting as no comments were received from any of the member.

3. REVIEW OF FOLLOW-UP ACTION TAKEN ON DECISIONS OF 51st RAC MEETING

The follow up actions taken on major decisions of the previous meeting was presented by Dr. S. Balasaraswathi, Scientist-D and Head, PMCE. The committee expressed satisfaction regarding the follow up action taken. The Chairman advised to increase the number of publications with NAAS rating and Impact factor.

4. REVIEW OF CONCLUDED PROJECTS

1. AIB 01009 MI: Evaluation of new bivoltine silkworm double hybrid TT21xTT56 at farmer's level for authorization and commercial exploitation

Decision: K.N. Madhusudhan presented the concluded report of the project. The Committee advised to specify the advantages of the new hybrids over FC1 x FC2. The data should be statistically analysed to ascertain the cocoon yield improvement over the check and it should be included in the concluded report.

(Action: Dr. K.N. Madhusudhan, Sci-D, BBL)

2. **MOE01031CN : Technology Demonstration and Evaluation of Rearing Performance of Bivoltine Mulberry Sericulture in Navasari District (Gujarat)**

Decision: Jadhav Ashok Limbaji presented the concluded project. The committee observed there is no significant progress in construction of rearing house under the project. The data on plot wise soil analysis and leaf yield should be scientifically presented in the concluded report with statistical analysis to draw logical conclusion. He is advised to submit the concluded project report with justification for not achieving the set milestones duly signed by the CIs immediately.

(Action: Mr. Jadhav Ashok Limbaji, Sci-C, REC, Parbhani)

5. REVIEW OF NEW PROJECT PROPOSAL FOR APPROVAL/RATIFICATION BY RAC

1. **MFM 01043 SNC: Design, development and evaluation of tractor mounted mulberry shoot harvester cum bundling device**

Decision: R. Mahesh presented the project and committee approved the project and suggested to fine tune the proposed the shoot harvester cum bundling device for making it applicable to both low bush and high bush planting systems. Crop data need to be recorded for validation of the harvester. The design parameters need to be modified and to be incorporated in project proposal. Equal scientific/technical contributions should be made from the CSRTI, Mysuru and the collaborator for the development of the harvester.

(Action: Dr. R. Mahesh, Sci-C, Agronomy)

2. **PIC 01044 SNC: Mitigating Human-Animal Conflicts in Forest Fringe Villages: Mulberry Based Cropping Program-Derived Animal Repellents**

Decision: Arunakumar G S. presented the project and committee approved the project. Further suggested to include the specific objectives/activities in the project for fruitful outcome and to evaluate the mulberry cultivation under (1) non-cultivated area (like forest areas) (2) with various type of spacing for mulberry cultivation and (3) to analyse biochemical profiles of mulberry genotypes to be cultivated in non-conventional areas proposed under the project.

(Action: Arunakumar G. S, Sci-D, Mul. Pathology)

3. B**PS 01045MNC: Optimization of Preservation Techniques and Quality Assessment of Mulberry and Eri Silkworm Pupae for Human Consumption**

Decision: Prasanth M. Nair presented the project and committee approved the project. Committee advised to explore the possibility of including the dry preservation method in the

methodology for optimization of preservation techniques. The committee suggested that there is no need to keep survey as a separate objective and only data collection is required which can be included in methodology.

(Action: Prasanth M. Nair , Sci-B, Silkworm Phy.)

4. **Development of an All-in-One Mobile Application for Digitalizing Mulberry Sericulture Practices**

Decision: Arunkumar GS, presented the project and the committee approved the project. The committee advised to include the mulberry deficiency symptoms and remedial measures in the app and also to revise the budget component-wise. Further suggested to explore the possibility to include government organization *viz*., or hiring of IT expert for developing App.

(Action: Dr. Arunakumar G.S, Sci-D, Mul. Pathology)

5. REVIEW OF RECENTLY CODED PROJECTS/APPROVED CONCEPT NOTES

1. **SPR 01046 MIC: Studies on the factors responsible for non-spinning in mulberry silkworm**

Decision: Mahiba Helen presented the project and committee approved the project. Committee suggested to use the GCMS/MS facility at CSTRI, Bangalore for pesticides and hormones studies under the project by providing the consumables. It is advised to collaborate with suitable organization to study effects of pesticides on silkworms by cytology and cytotoxicity studies under component-2. Further it is recommended to include identification and preparation of microbial consortia from the rhizospheric soil of mulberry plants for degrading pesticides under the component-3. The final copy of the project including all the suggestions needs to be submitted to the office within the timeline.

(Action: Dr. Mahiba Helen, Sci-D, PML)

2. **MOE 01048 SNC: Study to find out prevalence of health problems faced by the stakeholders involved in pre- cocoon sector of mulberry sericulture**

Decision: Joycy Rani D. presented the project and committee approved the project with suggestions. The committee opined that the project is of national importance and the outcomes of the project will assist in policy making. Hence, the project has to be formulated in appropriate ways in collaboration with Medical College and ICAR Institute. The objectives, methodology, activities and questionnaires and the expected outcomes need to be specified clearly.

(Action: Dr. Joycy Rani Dasari, Sci-C, SEEM)

3. **3D- Bio printed Wound care Products from Medical- grade Silk Fibroin**

Decision: Satish L. presented the project and committee approved with suggestion. Alternative collaborator may be found out for cytotoxicity study.

(Action: Dr. Satish L., Sci-D, Silkworm Pathology)

6. REVIEW OF PROGRESS OF ON-GOING PROJECTS

1. **PIE 13001 MI: All India Coordinated Experimental Trials for Mulberry (AICEM) – Phase-IV**

   Decision: Manjappa presented the progress and committee noted the progress.

   (Action: Dr. Manjappa, Sci-C, MBG)

2. **PIE01022SI: Evaluation of promising mulberry genotypes for higher leaf yield and resistance to root rot and root knot diseases in Primary Yield Trial**

   Decision: Manjappa presented the progress and committee noted the progress.

   (Action: Dr. Manjappa, Sci-C, MBG)

3. **PIE 01036 SI: Final yield evaluation of mulberry genotypes for leaf yield under optimal and sub-optimal input conditions**

   Decision: Tanmoy Sarkar presented the progress of the project and noted the progress. Committee suggested to expedite the process of establishment of rain out shelter.

   (Action: Dr. Tanmoy Sarkar, Sci-D, MBG)

4. **PIP 01037 SI: Identification of promising mulberry genotypes for physiological efficiency and their relationship with yield and quality under sub-optimal conditions**

   Decision: Gayathri T presented the progress of the project and noted the progress.

   (Action: Dr. Gayathri T, Sci-C, Mulberry Phy.)

5. **MTL 01025 MI -Life cycle assessment of mulberry silk: A National Assessment**

   Decision: Amit Kumar presented the progress and the committee noted the progress. Committee suggested to present the statistically analyzed project data to Chairman, RAC through on line during first fortnight of November 2024.

   (Action: Dr. Amit Kumar, Sci-D, SSC)

6. **PPA 01034 SI: Development of customized fertilizer for higher mulberry productivity**

   Decision: Mahesh R. presented the progress of the project and noted the progress. Committee suggested to present the bar diagram with appropriate self-explanatory legends for crop data in next RAC.

   (Action: Dr. Mahesh R., Sci-C, Agronomy)

7. **PPA 01035 SI: Studies on natural farming in mulberry for sustainability**

   Decision: Babu C.M. presented the progress of the project and noted the progress.

   (Action: Dr. Babu C.M., Sci-D, Agronomy)

8. **PIN 01042 SNC: Synthesis and characterization of nano-fertilizers and their evaluation in mulberry cultivation**

   Decision: Dhaneshwar Padhan presented the progress of the project and noted the progress.

   (**Action:** Dr. Dhaneshwar Pradhan, Sci-C, Agronomy)

9. **ARE 01029 MI : Recommendations of novel fungicidal and insecticidal applications for mulberry**

   Decision: S. Mahiba Helen presented the progress of the project and noted the progress.

   (**Action:** Dr. S. Mahiba Helen, Sci-D, PML)

10. **PRE 01030 CN : Development of an integrated management package for the broad mite, *Polyphagotarsonemus latus (*Acari: Tarsonemidae), in mulberry**

    Decision: S. Mahiba Helen presented the progress of the project and noted the progress. Committee also suggested to get the bio-control agent tested in other Institute/organization for third party evaluation for analyzing efficacy of *Hirsutella thompsonii* in controlling the broad mite.

    (**Action:** Dr. S. Mahiba Helen, Sci-D, PML)

11. **ARP 01033 CN: Mulberry Silkworm Disease Monitoring and Management in Southern States of India**

    Decision: Mallikarjuna G presented the progress of the project and noted the progress. Committee also suggested to present clear microscopic photographs in next RAC meeting.

    (**Action**: Dr. Mallikarjuna G, Sci-C, Silkworm Pathology)

12. **SRE 01039 MIC: Mapping of Pesticide Residues in pupae of Mulberry Silkworm, *Bombyx mori*.**
    Decision: Y. Thirupathaiah presented the progress of the project and noted the progress. The Committee advised to collect pupae from ARMs located in Southern India for analysis of pesticide residues in the pupae and recommended the extension of the said project up to March 2025.

    (**Action**: Dr. Y. Thirupathaiah, Sci-D, Silkworm Phy.)

13. **BPS 01041 SGC: Evaluation and validation of nutritive and feeding value of silkworm (*Bombyx mori*) pupa meal in broiler and layer chicken**

    Decision: Y. Thirupathaiah presented the progress of the project and sought for extension of project up to July 2025 since signing of MoU with the collaborators was executed during the month of July 2024 and the fund was released during September 2024 only. The committee recommended the extension of project till July 2025.

    (**Action**: Dr. Y. Thirupathaiah, Sci-D, Silkworm Phy.)

14. **AIB 01024 MI: Development of productive, autosexing silkworm breeds/ hybrids of *Bombyx mori L.* in egg stage and separation of male silkworm population by optical sorting**

Decision: Kusuma L presented the progress of the project and committee noted the progress. Committee suggested to fine tune the egg separation parameters like number of male and female eggs in one gram of eggs, etc.

(**Action**: Dr. Kusuma L, Sci-D, BBL)

15. AIE 01026 MI: Evaluation of new bivoltine double hybrid, BFC1xBFC10 at farmers level for authorization for commercial exploitation

Decision: Madhusudhan K.N presented the progress of the project and committee noted the progress.

(**Action**: Dr. Madhusudhan K.N, Sci-D, BBL)

16. AIB 01032 SI: Validation of silk regulators - ubiquitin and mannosidase among silkworm breeds

Decision: Kusuma L presented the progress of the project and committee noted the progress.

(**Action**: Dr. Kusuma L, Sci-D, BBL)

17. BPS 01027 CN: Immunomodulatory and Adjuvant effects of Chitosan Nanoparticles Extracted from *Bombyx mori*

Decision: Madhusudhan K.N presented the progress of the project and committee noted the progress. Further, the committee advised the PI to submit the concluded project report in RMIS 10 with in one month period of closure of the project as per the RMTD guidelines.

(**Action**: Dr. Madhusudhan K.N, Sci-D, BBL)

18. BPS 01028 CN: Value Addition of Cellulose and Chitin Isolated from Sericulture Waste for Advanced Packaging Applications

Decision: Madhusudhan K.N presented the progress of the project and committee noted the progress. Further, the committee advised the PI to submit the concluded project report in RMIS 10 with in one month period of closure of the project as per the RMTD guidelines.

(Action: Dr. Madhusudhan K.N, Sci-D, BBL)

19. SIB 01038 MGC: Utilization of Japanese silkworm genetic resources for the development of productive bivoltine hybrids

Decision: Chandrakanth N presented the progress of the project and committee noted the progress.

(Action: Dr. Chandrakanth N, Sci-D, BBL)

20. SIB 01040 SIC: Identification of a new male component for Pure Mysore replacing CSR2 (PMxCSR2) for better crop stability and silk quality

Decision: Shivkumar presented the progress of the project and committee noted the progress. Committee suggested that the selection of parent need to be done based on important criteria of quality seed. Breeds having character better than CSR2 must be included as parents.

(Action: Dr. Shivkumar, Sci-C, BBL)

Item No.7: Progress of RSRSs and SSBS, Coonoor

RSRS, Salem

Dhahira Beevi, Sci - D, presented the progress of projects, activities of CBT, ECPs and CPP etc., and the committee noted the progress.

RSRS, Kodathi

V. Lakshmanan, Sci - D, presented the progress of projects, activities of CBT, ECPs and CPP and the committee noted the progress.

(**Action**: Dr. V. Lakshman, Sci - D, RSRS Kodathi)

RSRS, Ananthapur

K.P. Kiran Kumar, Sci - D, presented the activities of CBT, ECPs and CPP activities and the committee noted the progress. He insisted the problem of pesticide manufacturing industries and the committee constituted inspected the site and rearing and report submitted to DOS, AP and CO, CSB.

(Action : Dr. Sreenath , Sci. - D, RSRS Ananthapur**)**

RSRS, Mulugu

Vinod Kumar Yadav, Sci - C, presented the activities of CBT, ECPs and CPP activities and the committee noted the progress.

(Action : Dr. Vinod Kumar Yadav, Sci-C, RSRS, Mulugu)

P4 Hassan

Dr. Babulal Saini, Sci-B, presented the activities of the station and the committee noted progress. Committee suggested to clarify the bench mark for oval and dumbbell shaped cocoon.

(**Action:** Dr. Dayananda, Sci - D, P4 Hassan)

SSBS, Conoor

V. Vijay, Sci - C, presented the activities of the station and the committee noted progress.

(**Action:** Dr. V.Vijay, Sci - C, SSBS Conoor)

RSRS, Chamrajanagara

L. Satish, Sci - D, , presented the activities of the station and the committee noted progress.

(**Action:** Dr. Satish L, Sci - D, RSRS Chamarajnagar)

Item No. 8. Extension and other programmes

M. Muthulakshmi, Sci-D, SEEM presented the progress of Extension Division and the committee noted the progress and advised to present the state wise data on new plantation taken up in future presentation.

(Action: Sci-D and Head, SEEM**)**

Item No. 9. Training (Capacity Building and Training) and other programmes

R. Meenal, Sci–D, presented the progress of Training Division and the committee noted the progress.

(Action: Sci-D and Head, Training Division**)**

Item No.12 Concluding remarks of members

Member Secretary, Central Silk Board

- Market oriented patents needs to be filed for protecting Intellectual Property Rights.
- Field based research works needs to be undertaken for the betterment of stakeholders and need based technology to be developed for commercialization.
- Research work can be focused on byproduct utilization.
- New opening for silkworm seed market

Director (Technical)

- One cell may be formed in the Institute for monitoring the non-spinning of silkworms.
- Research projects need to be focused on climate resilient technologies, mechanization in sericulture and byproduct utilization.
- He also suggested to publish one research article from each of concluded projects in Indian Journal of Sericulture.

Director, CSRTI, Mysuru

- A high level committee was constituted to address the non-spinning issue of silkworms and the recommendations of the committee were circulated to DOS.
- Workshops may be conducted by inviting the Retired Scientists/Experts in Sericulture and Moriculture to make strategic plans for development of high yielding mulberry varieties and silkworm breeds/hybrids.
- Organic farming and mechanization in sericulture need to be concentrated
- Streamlining of the concept notes within the thrust areas.
- Concluded projects should be published in own house journals.
- Number of Publications should be increased.

Dr. Ashwath, Sci-D (retired), CSB - CSRTI, Mysuru

- Scientific data on breeder seed stock maintenance can be presented in the next RAC.
- Research works may be taken up to cross *Bombyx mori* and *Bombyx mandarina* to introgess genes from wild silkworm to the domesticated silkworm.

Dr. Vijayan. K, Sci-D (retired), CSB

- Suggested to present scientific data after conducting statistical analysis and interpretation.
- Suggested to take up projects on mechanization and artificial intelligence to reduce drudgery and labour cost in sericulture. He suggested to take up projects on byproduct utilization.
- Field and farmer level problems need to be identified; studied and respective solutions need to be developed.
- Make sure that the output of the projects are utilized properly
- He insisted upon transfer of technology from lab to land

Dr. M. Lakshminarayana, Professor, UAS, Bengaluru

Appreciated the projects/concept notes on the development of mulberry shoot harvester and all-in-one mobile application will reduce the drudgery and ease percolation of technologies among the stakeholders.
Suggested the inputs on questionnaire of health hazards in Sericulture.
Suggested the scientists to increase the publication of the research in the reputed journals.

Dr. Shishu Pal S., Professor, Davangere University

Suggested to take up projects on byproduct utilization
Suggested to take up more projects on microbiology and pathology.

Dr. Senthil Kumaran. G, Principal Scientist, ICAR – IIHR

- Suggested to take up project for development of biodegradable film which can be used for packaging of fruits and also permeability studies should be taken up.
- Suggested to make proposal for grant of Prime Minister Fund for creating Center of Excellence and precision farming.
- Crafting and fabrication of the machines should be taken up instead of direct trial and launching.
- Suggested the use of DSLR cameras for quality research pictures.

Dr. K. Jhansilakshmi, Sci – D, RCS

- Studies on microclimatic changes and its influence on silkworm in rearing houses should be taken up
- Suggested to take up research projects to improve rearing technology
- Suggested to procure equipments for measurement of mulberry canopy temperature for screening genotypes under high- temperature stress
- Suggested to take up projects on metabolic profiling of mulberry genotypes
- The objective and the title of the concept note and the project proposal should be clear and precisely written
- Proper documentation of research progress should be done

Dr. Radha Lakshimi, Sci – D, CSTRI, Bangalore

- Suggested to make the reeling section functional for taking up reeling activities of the Institute
- GC-MS can be used at CSTRI by providing with consumables and chemical for analysis

DOS Karnataka

- Projects need to be taken up for the development of need based product.
- Informed that the fruit-yielding mulberry varieties can be commercialized
- Training should be given for ARM people under farmers skill development training programmes.

DOS Tamil Nadu

- She thanked Central Silk Board and CSRTI, Mysuru for timely recommendations and suggestions to monitor the non-spinning issue of silkworms.
- Through this initiative the probable reason for non-spinning of silkworm was understood by the farmers and 70% of the problems faced by the farmers were solved by this intervention in Tamil Nadu.
- However, the infestation of mulberry garden with mites and white flies are the challenges
- which can be minimized by releasing bio-control agents.
- Recently inaugurated incubation center play an important role by producing bio-control agents in future.
- All-in-One mobile app proposed in project need to be made in a simple form so that farmers can easily understand the content of the application and they can use it.

DOS Maharashtra

Informed that the non-spinning of silkworm is still a matter of concern in Maharashtra.
Scientists may visit the respective places for providing awareness among the farmers.

DOS, Andhra Pradesh

- Informed that the non-spinning of silkworms is still a matter of concern.
- Further, he informed that root rot disease of mulberry and infestation of mulberry garden with broad mites need to be minimized by developing suitable technology.
- Suggested to develop high humidity tolerant silkworm hybrids in coastal parts of Andhra Pradesh.

Farmer Representative (Mr. Harisha)

- Interaction and coordination of new scientists with senior and retired scientists is must for fruitful learning.
- Studies to improve soil organic carbon in Indian soil.
- Customizations in shoot rearing shelves and mountages that will reduce the drudgery.
- Insisted research on byproducts
- Moth scales sucking setup in grainages to avoid the health hazards.

Chairman RAC, CSR&TI, MYSURU

- Suggested to increase the number of publications
- Care should be taken for proper budget utilization
- Appreciated the budding of projects on mechanization
- Study can be taken up on the effect of plant growth regulators and its relation towards non spinning.
- Clear and brief documentation of success stories.
- Conventional irrigation should be replaced with the drip irrigation in the institute and its nested units.
- Concept notes on improving organic carbon content of the soil should be formulated.
- Insisted the focus on flood tolerant mulberry varieties
- Ensure the up scaling of biocontrol agents production, supply and utilization through the establishment of incubation centers .

- Impact assessment of the sericulture technologies should be recorded and presented.
- Scientists are advised to propose projects pertinent to Sericulture industry focusing the field problems instead of concepts note on mushroom culture etc.,

The ATR on the above decisions should be submitted on or before 31.10.2024.

Dr. M.B. Chetti
CHAIRMAN
RAC, CSRTI, MYSURU

Annexure-I

List of members attended 52nd meeting of RAC held on 3rd 4th October 2024 at CSRTI, Mysuru

#	Name of the Member
1	Dr. Mahadev B. Chetti, Vice Chancellor, Sanskriti University, Mathura - Chairman
2	Dr. S. Gandhi Doss, Director CSRTI Mysuru - Member Convener
3	Dr. M.T. Lakshminarayana, Prof., Dept. of Social Sciences and Agricultural Extension, College of Agriculture, Mandya - Member
4	Prof. S. Shishupala, Professor, Dept. of Microbiology, University of Davanagere, - Member
5	Dr. Ashwath, Scientist-D (Rtd.) No. 276, 19th Cross, 21st Main, 2nd Stage, JP Nagar, Mysuru - Member
6	Dr. Vijayan K., Scientist -D (Rtd.), Thiruvananthapuram - Member
7	Dr. Senthil Kumaran G., Principal Scientist- Farm Machinery& Power , ICAR-IIHR- Bengaluru - Member
8	Dr.S. Manthira Moorthy, Director (Tech.), Central Silk Board, Bengaluru - Member
9	Dr. Radhalakshmi, Sci-D, Representing Director, CSTRI Bengaluru - Member
10	Dr. K. Jhansilakshmi, Sci- D and Head, RCS, CSB, Bengaluru - Member
11	Dr. K. M. Ponnuvel, Sci-D, Representing Director, NSSO, Bengaluru - Member
12	Mr. P.S. Padvi, Sericulture Development Officer, Representing DoS Maharashtra - Member
13	Smt. Ponmari, A.D., Representing DoS TN- Member
14	Smt. Prathibha, JD (DOS, Mysuru), Representing DoS Karnataka - Member
15	Dr. K. Ibrahim Basha, Representing Director APSSRDI, Hindupur Representing DoS AP - Member
16	Sri. Harish C.P., Malluru, Shidlagatta taluk, Chikkaballpur - Member

List of members not attended 52nd meeting of RAC held on 3rd & 4th October 2024

#	Name of the Member
1	Dr. R. Ashokan, Fulbright Fellow, Principal Scientist, ICAR-IIHR, Bengaluru- Member
2	Prof. K.T. Parthiban, Forest College and Research Institute, TNAU, Mettupalayam-Member
3	Shri. M. Madhusudhan, Reeler representative, Shidlagatta, Chikkaballapur – Member
4	The Director, Govt. of Telangana, Telangana -Member
5	The Chief Executive Officer , SMOI, Bengaluru - Member

List of participants attended 52nd meeting of RAC held on 3rd & 4th October 2024

#	Name & Designation (In person)
1	Dr. Prashanth Sanganannavar Sci-D, RCS, CO, Bengaluru
2	Dr. Manjunath,G.R, Sci-D, RCS, CO, Bengaluru
3	Dr. G. Subramanya, Sci-D, CSB,SBRI, Bengaluru
3	Dr. R. Bhagya, Sci - D, CSRTI, Mysore
4	Dr. C.M. Babu, Sci,- D, CSRTI, Mysore
5	Dr. K.N. Madhusudhan, Sci –D, CSRTI, Mysore
6	Dr. Amit Kumar, Sci - D, CSRTI, Mysuru
7	Dr. S. Balasaraswathi, Sci-D, CSRTI, Mysore
8	Mr. Chandrashekar M.N., Sci-D, CSRTI,
9	Dr. M. Muthulakshmi, Sci-D, CSRTI, Mysore
10	Dr. R. Meenal, Sci-D, CSRTI, Mysore
11	Dr. S. Mahiba Helen, Sci-D, CSRTI, Mysore
12	Dr. Kusuma L., Sci-D, CSRTI, Mysore
13	Dr. Gayathri T, Sci-C, CSRTI, Mysore
14	Dr. Sobhana V, Sci-C, CSRTI, Mysore
15	Dr. Joycy Rani D, Sci-C, CSRTI, Mysore
16	Dr. Ranjini M.S, Sci-C, CSRTI, Mysore
17	Dr. Mahesh R., Sci – C, CSRTI, Mysore

18	Dr.Tanmoy Sarkar, Sci-D, CSRTI, Mysore
19	Dr. Manjappa, Sci – C, CSRTI, Mysore
20	Dr. Chanrdakanth, N. Sci - D, Mysuru
21	Dr. Mallikarjuna G., Sci – C, CSRTI, Mysore
22	Mr. H.M. Munikrishnappa, AD, CSRTI, Mysore
23	Ms. Bhavya, M.R, Sci-C, CSRTI, Mysore
24	Dr.G.S.Geetha,SRA(SS),CSRTI,Mysore
25	Mr. K. L. Patnaik, AD (A&A)
26	Mr. Y.R.Raghu, Superintendent
27	Ms. Pushpa Prajapathi, Junior Engineer
28	Dr.Megaladevi P, S.Sci-B, CSRTI,Mysore
29	Dr.Sowmya K, S.Sci-B, CSRTI,Mysore
30	Dr.Prashanth M Nair .Sci-B, CSRTI,Mysore
31	Tamilselvi.C, Sci-B, CSRTI, Mysore
32	Purohit Pravinbhai Sci-B, CSRTI, Mysore
33	Revappa M R Sci-B, CSRTI, Mysore
34	Kartik kumar Sci-B, CSRTI, Mysore
35	Meghaladevi Sci-B, CSRTI, Mysore
36	Latha Preethi Sci-B, CSRTI, Mysore
37	Bogala Vajramma Sci-B, CSRTI, Mysore
	RSRSs/RECs
38	Dr. V. Lakshmanan, Sci - D, RSRS, Kodathi
39	Dr. N. Dhahira Beevi, Sci - D, RSRS, Salem
40	Dr. K.P. Kirankumar, Sci - D, RSRS, Ananthapur
41	Dr.Vinod Kumar Yadav, Sci-C, RSRS, Mulugu
42	Dr. V. Vijay, Sci-C, SSBS, Conoor
43	Mr. A. L. Jadav, Sci-C, REC, Parbhani
44	Dr. Babulal Saini, Sci - B, P4 BSF Hassan
	JRF/PA
45	Nisarga N.R, PA
46	Chandana R, JRF
47	Shamanth D.H, PA
48	Krishna Kumar R, PA
49	Madlambika PA
50	Sahana G. PA
51	Amruth T. R, JRF
52	Shamitha. M,PA
53	Prakruthi. CS,PA
54	Varsha G.S.Gowda, PA
55	Tanvi Rahman, PA
56	Chinmaye.AC, PA
57	Kishan kumar, R,PA
58	Swathy K.R,JRF
59	Jawad Ahamad, PA